

ATTN: MARIE

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION DATA

FREDERICK GUMM CHEMICAL COMPANY, INC.
538 Forest Street, Kearny, NJ 07032

CLEPO 503-F

Emergency Telephone Numbers:
CHEMTREC 800-424-9300 (24HR)
8:00 AM - 5:00 PM EST
201-991-4174 Information

D.O.T. HAZARD CLASS - Corrosive Liquid NOS, UN1760, PGII

Effective Date:
09-06-94

CHEMICAL FAMILY - (Contains Sulfuric Acid)
CHEMICAL NAME/SYNONYMS - CLEPO 503-F
FORMULA - Mixture
MSDS REVIEWED BY - Keith Frey, V.P. Quality & Regulatory Affairs

SECTION 2 - PHYSICAL DATA

BOILING POINT (Deg F) - >212 DegF
VAPOR PRESSURE (mm Hg) - NA
VAPOR DENSITY (air=1) - NA
SOLUBILITY IN WATER - Complete
SPECIFIC GRAVITY (H2O=1) - 1.415
VOLATILE BY VOLUME - NA
EVAPORATION RATE (H2O=1) - <1

APPEARANCE & ODOR:
Brown Liquid

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT - None

EXTINGUISHING MEDIA:
This product is not combustible.

SPECIAL FIRE FIGHTING PROCEDURES:
Protective clothing and self-contained breathing apparatus should be worn by firefighters in areas where product is stored. Water spray, foam, dry chemical, or carbon dioxide may be used in areas where product is stored.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
At temp >570 F, hazardous fumes of sulfur dioxide & trioxide are evolved. They must be eliminated by forced drafted ventilation.

NFPA HAZARD CLASSIFICATION:

DEGREE OF HAZARD

Health (Blue) - 3
Flammability (Red) - 0
Reactivity (Yellow) - 1

4=Extreme
3=High
2=Moderate
1=Slight
0=Insignificant



SECTION 4 - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: NA

INCOMPATIBILITY:

Should not be mixed with strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS:

None expected, except under extreme heat as mentioned above under UNUSUAL FIRE AND EXPLOSION HAZARDS.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: NA

SECTION 5 - HAZARDOUS COMPONENTS

PAINTS, PRESERVATIVES, AND SOLVENTS:

NA

ALLOYS AND METALLIC COATINGS:

NA

HAZARDOUS COMPONENTS

	CAS NUMBER	TLV	PEL	LD50	%
Ammonium Bifluoride	1341-49-7	2.5	2.5	350	2.00
Ferric Sulfate	10028-22-5	1	NF	NF	21.0
Sulfuric Acid	7664-93-9	1	1	2140	26.5

TLV = Mg/M3 - PEL = Mg/M3 - LD50 = oral, rat, Mg/Kg - NF = None Found

- The indicated material, if any, is listed as a carcinogen or potential carcinogen by one or more of the following: National Toxicology Program, I.A.R.C. Monographs, OSHA.

** - The indicated material, if any, does not have an established TLV, but does appear on one or more of the following states hazardous substance lists: Connecticut, Illinois, Michigan, Maine, Massachusetts, Minnesota, New Hampshire, New Jersey, New York, Oregon, Rhode Island, West Virginia, and Wisconsin, and is present in this product in amounts greater than 1%.

& - The indicated material, if any, is subject to the reporting requirements of SARA Title III, Section 313

SECTION 6 - SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL & LEAK PROCEDURES:

Spilled material may be shoveled up, and stored in closed containers for possible normal use or proper disposal. Flush area with plenty of water. Mild alkali or lime solution may be used to neutralize final traces immediately after flushing

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SECTION 6 - SPILL, LEAK, AND DISPOSAL PROCEDURES continued

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WASTE DISPOSAL METHODS:

Acid waste solutions should not be discharged into sewers or streams. Acid should first be neutralized with dilute alkali or lime solutions to a locally acceptable pH, and then well diluted with water. Depending on usage and locality, may also require precipitation and filtration of heavy metals. Obey all Federal, State, and Local laws.

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SECTION 7 - HEALTH HAZARD DATA

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ROUTES OF EXPOSURE

INHALATION: Breathing dust, mist, spray, or fumes may cause irritation to the respiratory system. Gross over exposure may result in further toxic effects, including difficult breathing and coughing.

SKIN CONTACT: This product may cause irritation or burns to the skin.

SKIN ABSORPTION: See SKIN CONTACT above.

EYE CONTACT: This product is destructive to eye tissues. It may cause severe burns that result in damage to the eyes and even blindness.

INGESTION: This product, if swallowed, may irritate or burn the mouth and stomach, and may cause complete tissue perforation.

EFFECTS OF OVEREXPOSURE

ACUTE: May irritate or burn all body tissues with which it comes in contact.

CHRONIC: Data not available.

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

SKIN: Immediately wash contaminated areas with plenty of water for 15 minutes. Remove contaminated clothing and footwear, and wash clothing before reuse. Discard any clothing that can not be decontaminated. Seek medical attention immediately.

INHALATION: Get person to fresh air. If breathing has stopped, or irritation persists, seek medical attention immediately.

INGESTION: NEVER give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give large quantities of milk, milk of magnesia, or 1% lime and water solution. If vomiting occurs spontaneously, keep airways clear. Seek medical attention immediately.

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SECTION 8 - SPECIAL HANDLING PROCEDURES

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RESPIRATORY: Respiration protection is not required under normal use. Use NIOSH/MSHA approved respirator where dust, mist, or spray may be generated above TLV limit.

VENTILATION: Use adequate local exhaust ventilation where dust, mist, or spray may be generated, to maintain level below TLV limit.

GLOVES: Impervious gloves should be worn (ex. rubber or neoprene).

EYES: Chemical safety goggles and/or face shield.

OTHER: Chemical resistant shoes and apron. Safety showers and eyewash facilities should be accessible. All contaminated clothing should be washed with soap and water, and dried before reuse.

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SECTION 9 - SPECIAL PRECAUTIONS

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HANDLING AND STORAGE PRECAUTIONS:

Avoid contact with strong alkali. Powder dissolves in water to form an acidic solution. Store in a cool dry area, in a closed container. Avoid contact with skin and eyes.

OTHER PRECAUTIONS:

Keep container tightly closed when not in use. Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Containers must not be used for any other purpose.

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